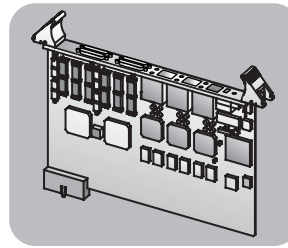


hp
StorageWorks

ESL E-Series e2400-160 Interface Controller Replacement

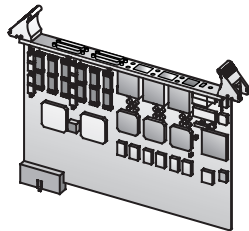
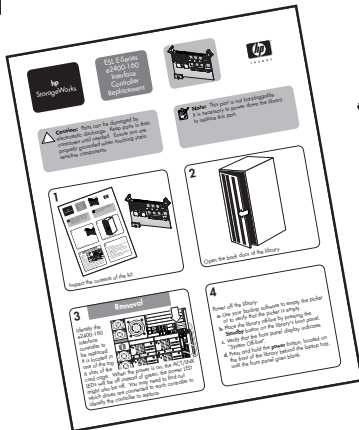


Caution: Parts can be damaged by electrostatic discharge. Keep parts in their containers until needed. Ensure you are properly grounded when touching static-sensitive components.



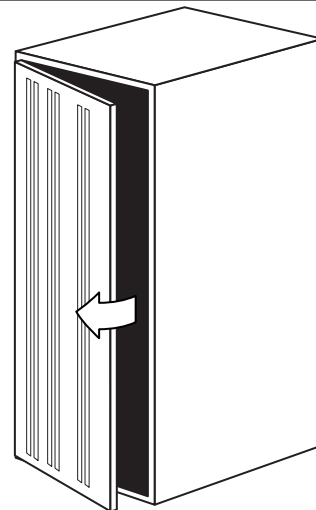
Note: This part is not hot-pluggable. It is necessary to power down the library to replace this part.

1



Inspect the contents of the kit.

2

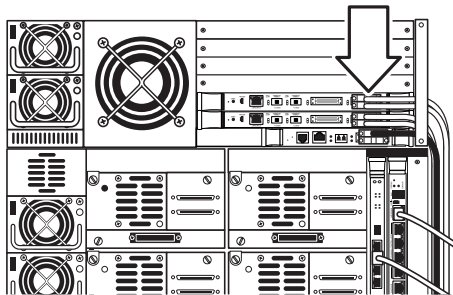


Open the back door of the library.

3

Removal

Identify the e2400-160 interface controller to be replaced. It is located in one of the top 6 slots of the card cage. When the power is on, the ACT/LNK LEDs will be off instead of green; the power LED might also be off. You may need to find out which drives are connected to each controller to identify the controller to replace.

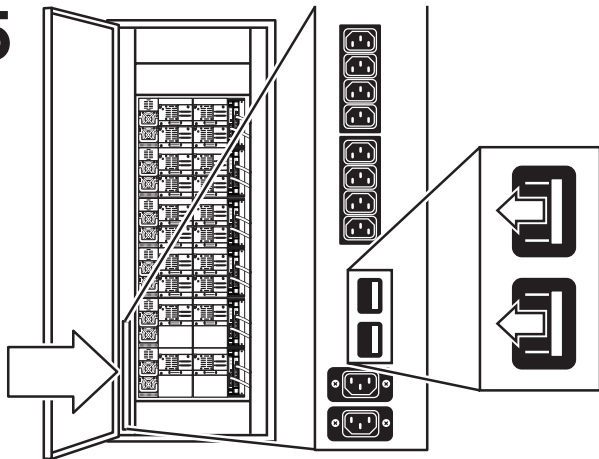


4

Power off the library.

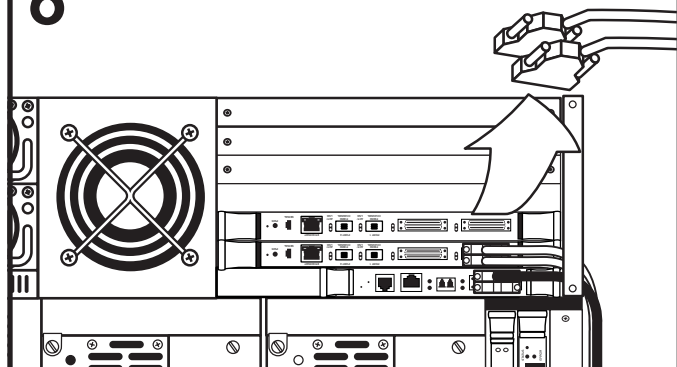
- Use your backup software to empty the picker or to verify that the picker is empty.
- Place the library off-line by pressing the **Standby** button on the library's front panel.
- Verify that the front panel display indicates "System Off-line".
- Press and hold the **power** button, located on the front of the library behind the laptop tray, until the front panel goes blank.

5



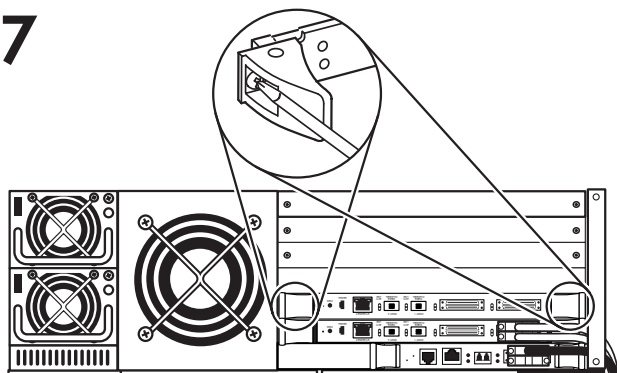
Flip the two breaker switches off (to the left) at the power distribution unit.

6



Take note of the cable connections for easier reconnection to the replacement controller, then remove the cables from the E2400-160 interface controller.

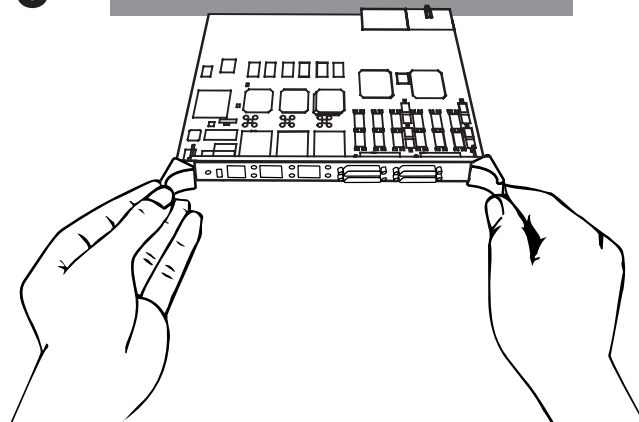
7



Use a #2 Phillips screwdriver to loosen the captive screws in the black ejector handles at both ends of the E2400-160 interface controller. Push the ejector handles toward the outside, then pull on them to remove the controller.

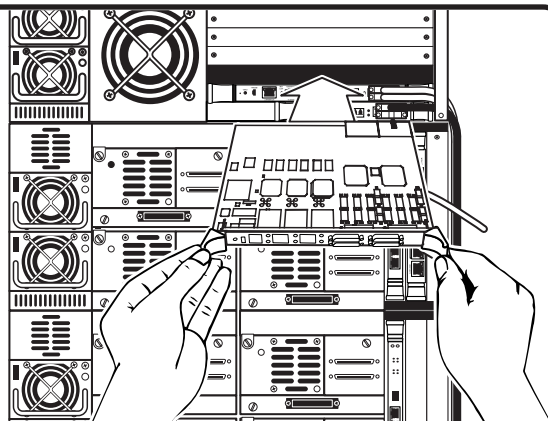
8

Installation



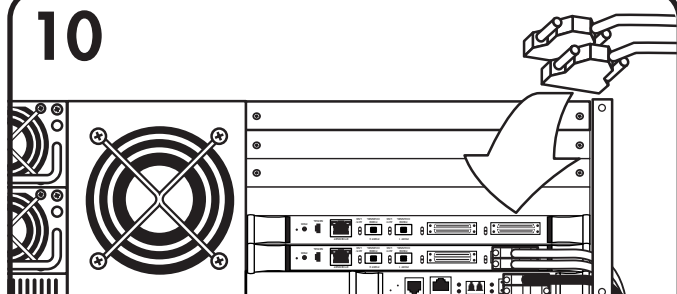
Hold the new controller's ejector handles so they extend toward the outer edges of the controller.

9



With the SCSI ports located to your right as you face the back of the library, slide the controller into a slot in the card cage. Tighten the captive screws.

10

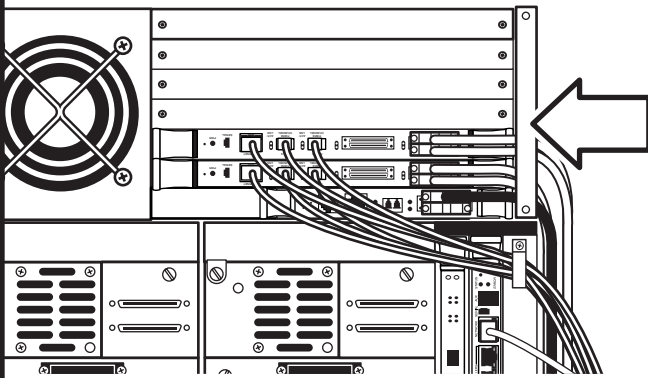


Connect the SCSI, Fibre Channel, and Ethernet cables (if present) exactly as they were on the original board.



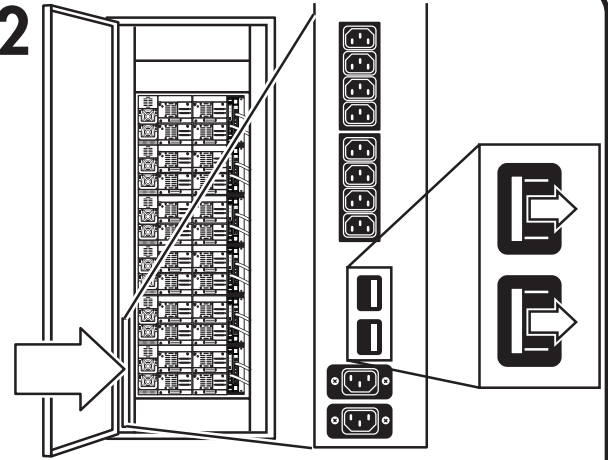
Note: If necessary refer to the *HP StorageWorks ESL E-Series Tape Library Unpacking and Installation Guide* for detailed cabling configurations.

11



Secure the SCSI cables going from the controller to the tape drives with the cable restraint bracket as shown.

12



Flip the two breaker switches on at the power distribution unit.

13

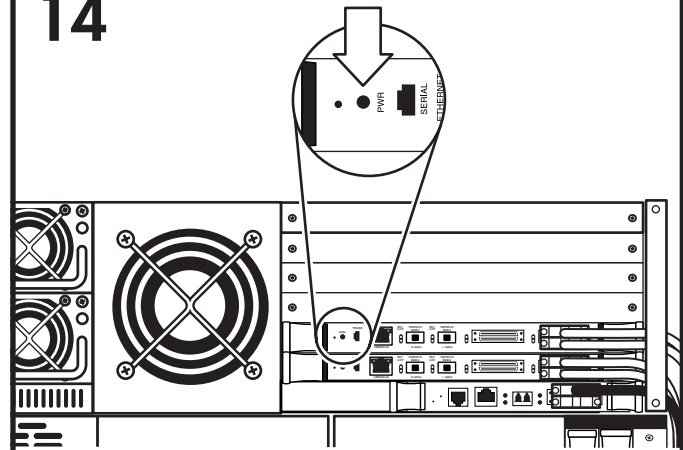
Power on the library.

- Verify that power cables are firmly in place.
- Press the power button located behind the laptop tray.
- After several seconds, verify that the current state of the library appears in the System State display on the front panel ("System On-line" or "System Off-line").



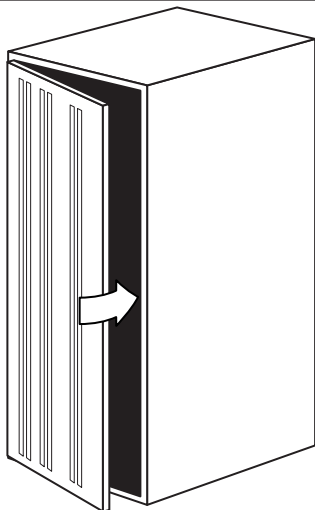
Note: To change the state, press the **Standby** button on the front panel. This toggles the library between on-line and off-line states.

14



Verify that the power LED on the controller is solid green. This indicates a good connection.

15



Close the back door of the library.

16

Configuration

Use the Interface Manager's command-line interface or the HP StorageWorks Command View ESL User Interface to verify detection of the new board(s), and to perform configuration and firmware updates, if necessary.

Getting help

- HP product information:
<http://www.hp.com/products/tapestorage>
- HP technical support and phone numbers:
<http://www.hp.com/support>
- HP StorageWorks Library and Tape Tools (L&TT) diagnostic software:
<http://www.hp.com/support/tapetools>
- Interface Manager and HP StorageWorks Command View ESL:
<http://www.hp.com/support/cvesl>

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